

#### International Office

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Research Use Only. Not for diagnostic or therapeutic use.

# EB06701 - Goat Anti-HNF1A Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** HNF1A, HNF1 homeobox A, HNF-1A, HNF1, TCF1, TCF-1, IDDM20, LFB1, MODY3, HNF-1-alpha, OTTHUMP00000198944, OTTHUMP00000240200, OTTHUMP00000240204, OTTHUMP00000240206, albumin proximal factor, hepatic nuclear factor 1, hepatocyte nuclear factor 1-alpha, interferon production regulator factor, liver-specific transcription factor LF-B1, transcription factor 1, hepatic

Official Symbol: HNF1A

Accession Number(s): NP\_000536.5

Human GenelD(s): 6927

Non-Human GeneID(s): 21405 (mouse), 24817 (rat)

### Immunogen

Peptide with sequence C-VIETFISTQMASSSQ, from the C Terminus of the protein sequence according to NP\_000536.5.

Please note the peptide is available for sale.

### **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

**Western blot:** Approx 70kDa band observed in Rat Liver and Mouse Liver lysates (calculated MW of 67.4kDa according to NP\_000536.5). Recommended concentration: 2-6µg/ml. Primary incubation 1 hour at room temperaturer.

**IHC:** In paraffin embedded Human Liver shows nuclear staining in hepatocytes.

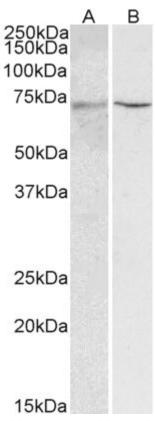
Recommended concentration, 2-4 $\mu$ g/ml.

**Immunofluorescence:** Strong expression of the protein seen in the Nucleus of NIH3T3 cells. Recommended concentration: 10µg/ml.

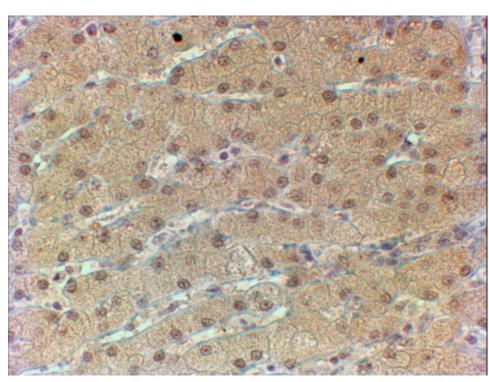
## **Species Reactivity**

Tested: Human, Mouse, Rat

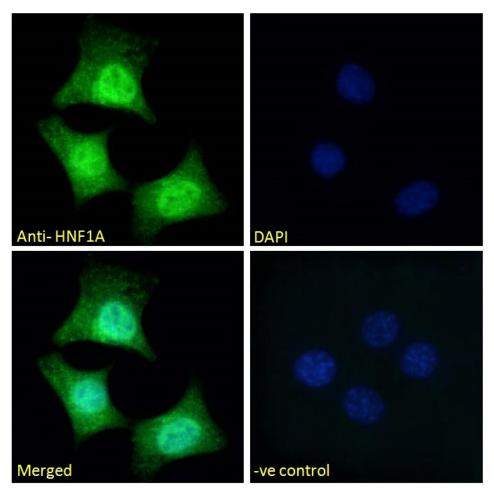
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB06701 (2μg/ml) staining of Rat Liver (A) and Mouse Liver (B) lysates (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB06701 (2μg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



EB06701 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).